

BOSE McKINNEY & EVANS LLP

CUSTOMER NUMBER: 25267

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135 North Pennsylvania Street
Indianapolis, Indiana 46204
(317) 684-5000

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit: Unknown }
Atty. Docket: 12258-0017 }
Applicant(s): Brodley et al. }
Title: SYSTEM AND METHOD FOR }
PROTECTING FUNCTION }
RETURN ADDRESS }
Serial No.: 10/726,229 }
Filed: December 2, 2003 }
Examiner: Unknown }

Certificate Under 37 C.F.R. 1.8(a)

I hereby certify that this paper or fee is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313

On March 17, 2004

A. Garland

A. Garland

Dated: March 17, 2004

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This statement is filed in the application identified above pursuant to 37 CFR §§ 1.56, 1.97 and 1.98, as amended. Applicants call attention to the art references within the knowledge of applicant and its attorney which are listed on the attached PTO Form 1449. No representation is intended that a complete search has been made or that no better art references are available. The filing of this statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to the patentability as defined in 1.56(b).

Pursuant to the Patent Office Official Gazette Notice dated August 5, 2003, only copies of foreign and non-patent references are submitted.



REMARKS

None of the art cited on the attached PTO Form 1449 is believed to disclose or suggest the invention recited in the claims of the above-identified application. It is therefore believed that the claimed invention is patentably distinguishable over these references.

Please charge any fees that might be due in connection with this Information Disclosure Statement to Bose McKinney & Evans LLP's Deposit Account No. 02-3223. An extra copy of this Information Disclosure Statement is enclosed for that purpose.

Respectfully submitted,

BOSE McKINNEY & EVANS LLP

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Registration No. 44,987

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
12258-0017SERIAL NO.
10/726,229

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

Brodley et al.

FILING DATE

December 2, 2003

GROUP

Unknown

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
	AA						
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FOREIGN PATENT DOCUMENTS

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	AL							
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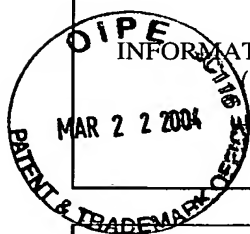
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Frantzen et al., "StackGhost: Hardware Facilitated Stack Protection", <i>Proc. of the 10th USENIX Security Symposium</i> , August 2001, 11 pages.
	AS	Wilander et al., "A Comparison of Publicly Available Tools for Static Intrusion Prevention", <i>Proc. of the 7th Nordic Workshop on Secure IT Systems</i> , Karlstad, Sweden, November 2002, pp. 68-84.
	AT	Wagner et al., "A First Step Towards Automated Detection of Buffer Overrun Vulnerabilities", <i>Network and Distributed System Security Symposium</i> , 2000, 15 pages.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.
Include copy of this form with next communication to applicant.



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO. 12258-0017	SERIAL NO. 10/726,229
	APPLICANT Brodley et al.	
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U.S. PATENT DOCUMENTS							
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	BA						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BR		Dor et al., "CSSV: Towards a Realistic Tool for Statically Detecting All Buffer Overflows in C", <i>Proc. of the ACM SIGPLAN 2003 Conference on Programming Language Design and Implementation</i> , June 9-11, 2003, 19 pages.				
	BS		Larochelle et al., "Statically Detecting Likely Buffer Overflow Vulnerabilities", <i>Proc. of the 10th USENIX Security Symposium</i> , August 2001, 13 pages.				
	BT		Haugh et al., "Testing C Programs for Buffer Overflow Vulnerabilities", <i>Proc. of the Network and Distributed System Security Symposium</i> , 2003, 8 pages.				
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	CA						
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FOREIGN PATENT DOCUMENTS							
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							YES NO
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	CN						
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	CQ						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	CR		Yong et al., "Protecting C Programs from Attacks via Invalid Pointer Dereferences", <i>Proc. of the 9th European Software Engineering Conference held jointly with 10th ACM SIGSOFT International Symposium on Foundations of Software Engineering</i> , 2003, 9 pages.				
	CS		Toth et al., "Accurate Buffer Overflow Detection via Abstract Payload Execution", April 30, 2002, 18 pages.				
	CT		T.P. Team, "PaX: The Guaranteed End of Arbitrary Code Execution", 2001, available at http://pagexec.virtualave.net , 37 pages.				
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							YES	NO
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	DN							
	DO							
	DP							
	DQ							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)			
	DR		Prasad et al., "A Binary Rewriting Defense Against Stack Based Buffer Overflow Attacks", <i>USENIX Annual Technical Conference, General Track</i> , date unknown, 13 pages.
	DS		Cowan et al., "StackGuard: Automatic Adaptive Detection and Prevention of Buffer-Overflow Attacks", <i>Proc. of the 7th USENIX Security Conference</i> , San Antonio, TX, January 1998, 15 pages.
	DT		Cowan et al., "Protecting Systems from Stack Smashing Attacks with StackGuard", <i>Proc. of the 5th Linux Expo</i> , Raleigh, NC, May 1999, 11 pages.

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	ER		Chiu et al., "RAD: A Compile-Time Solution to Buffer Overflow Attacks", <i>Proc. of the 21st Int'l Conference on Distributed Computing Systems (ICDCS '01)</i> , Mesa, AZ, April 2001, 20 pages.				
	ES		Cowan et al., "PointGuard™: Protecting Pointers from Buffer Overflow Vulnerabilities", <i>Proc. of the 12th USENIX Security Symposium</i> , August 2003, 14 pages.				
	ET		Baratloo et al., "Libsafe: Protecting Critical Elements of Stacks", December 1999, available at www.bell-labs.com/org/11356/libsafe.html , 11 pages.				
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	FO						
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	FR		Baratloo et al., "Transparent Run-Time Defense Against Stack Smashing Attacks", <i>Proc. of the 2000 USENIX Technical Conference</i> , San Diego, CA, June 2000, 15 pages.				
	FS		Cowan et al., "FormatGuard: Automatic Protection From printf Format String Vulnerabilities", <i>Proc. of the 2001 USENIX Security Conference</i> , August 2001, 20 pages.				
	FT		Xu et al., "Architecture Support for Defending Against Buffer Overflow Attacks", <i>2002 Workshop on Evaluating and Architecting System dependability (EASY-2002)</i> , October 2002, 8 pages.				
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	GP						
	GQ						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	GR	Lee et al., "Enlisting Hardware Architecture to Thwart Malicious Code Injection", <i>Proc. of the Int'l Conference on Security in Pervasive Computing (SPC-2003)</i> , March 2003, 15 pages.					
	GS	Jim et al., "Cyclone: A Safe Dialect of C", <i>Proc. of the 2002 USENIX Annual Technical Conference</i> , Monterey, CA, June 2002, pp. 275-288.					
	GT	Necula et al., "CCured: Type-Safe Retrofitting of Legacy Code", <i>Proc. of the ACM Symposium on Principles of Programming Languages</i> , 2002, 12 pages.					
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